

Victim Screening for Chemical, Biological, and Nuclear Weapons.

- **WMD Diagnostics**
- **Infectious Disease Diagnostics**
- **Data Collection**
- **Alerts & Reports**

First Responders are disadvantaged when it comes to accurately associating Weapons of Mass Destruction (WMD) symptoms with the causing agent because of the enormous amounts of data that needs to be retained and the infrequency that these skills are used.

ThreatScreen is an exposure-diagnostic/identification, data collection, and reporting tool used by First Responders to quickly assess victims to determine chemical, biological, or nuclear agent exposure.

ThreatScreen not only provides immediate access to response protocols but also collects patient data in the field. This data initiates real-time notification, can be shared inter- or intra-organization, and can be used in performing syndromic surveillance across local, state and national areas.

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First Responders

In any potential WMD situation, First Responders are faced with the challenge of identifying agents through symptom diagnosis. They must quickly execute safety and treatment protocols to protect themselves and their patients. Data collection and reporting is crucial to preserve the welfare of hospital personnel and the public.

ThreatScreen reinforces and supplements existing WMD training, providing First Responders with well-organized, easily accessible resources. The dynamic questionnaire provides diagnosis to pinpoint responsible agents. Agent details and protocols are instantly accessible in the field. Additionally, electronic patient records simplify data collection and enable real-time data dissemination to hospitals and government agencies.

Community Emergency Centers

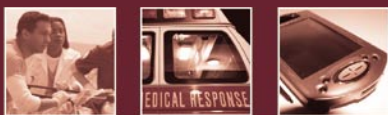
Accurately diagnosing WMD victims, and disseminating victim information is critical to safeguarding emergency rooms. If a First Responder mistakenly brings a contagious WMD victim into a hospital emergency room, then that emergency room must be considered contaminated and shut down. Personnel are at risk for secondary exposure and an important resource is no longer accessible.

ThreatScreen provides field personnel with the diagnostics to identify potentially exposed or contagious victims. This is critical when communications are disrupted and field personnel must rely on their own training and tools to make containment and victim routing decisions.

Government Agencies

The CDC and other agencies are pushing for more real-time reporting down to the city and county level. Collecting and analyzing victim data is critical to government agencies seeking to identify and establish potential WMD trends across cities, counties, and states. Current methods often deliver this information days late and some states require manual key entry using paper reports generated by First Responders.

With ThreatScreen, victim data is easily recorded and shared—in real time. Data collected in the field is formatted for compliance with NEMSIS or NEDSS and effortlessly transmitted through a wired or wireless connection to a central repository. Time, geographic, and epidemiological trend analysis can be performed.



During screening the ThreatScreen decision tree intelligently eliminates non-relevant questions presenting First Responders with the correct information with minimal effort. All agents are indexed and easily referenced.

About Realinterface Expert Systems

Realinterface develops and markets applications for First Responders and Clinical Trial Managers using its patent-pending Expert Systems Platform (ESP). ESP enables mobile and stationary users to quickly and accurately navigate through extensive data libraries to perform diagnostics and obtain meaningful information.

ESP is a very adaptable and intelligent decision tree, information delivery, event notification, and data integration platform that when coupled with industry specific know-how creates powerful knowledge applications.

Product Features

Quickly diagnose using screening	ThreatScreen screens victim symptoms based on a decision tree that intelligently eliminates non-relevant questions based on answers.
Access WMD information while in the field	ThreatScreen contains complete agent and symptom descriptions, as well as safety, treatment, and communication protocols, on a handheld device.
Automatically remain updated	Our Emergency Physicians continually monitor health news sources (e.g. CDC, WHO) for new agents and agent updates. The WMD Library is immediately updated and available upon synchronization.
Integrates with EMT run-sheet applications	ThreatScreen runs in the background of EMT run sheet application and triggers detailed WMD screening based on potential WMD symptoms.
Improves Syndromic Surveillance	Victim data is easily formatted, recorded, and shared—in real time. Time, geographic, and epidemiological trend analysis can be performed.
Immediate Deployment	The PDA application can be installed in minutes and Realinterface hosts the web interface requiring no hardware purchases.

How it Works

Data collected in the field is effortlessly synced through a wired, or wireless, connection to a central repository. Time, geographic, and epidemiological trend analysis can be performed using external tools or functions within the ThreatScreen application. The Notification Engine generates alerts based on customized parameters, while the XML Generator send messages to outside organizations (e.g. NEMSIS or NEDSS).

